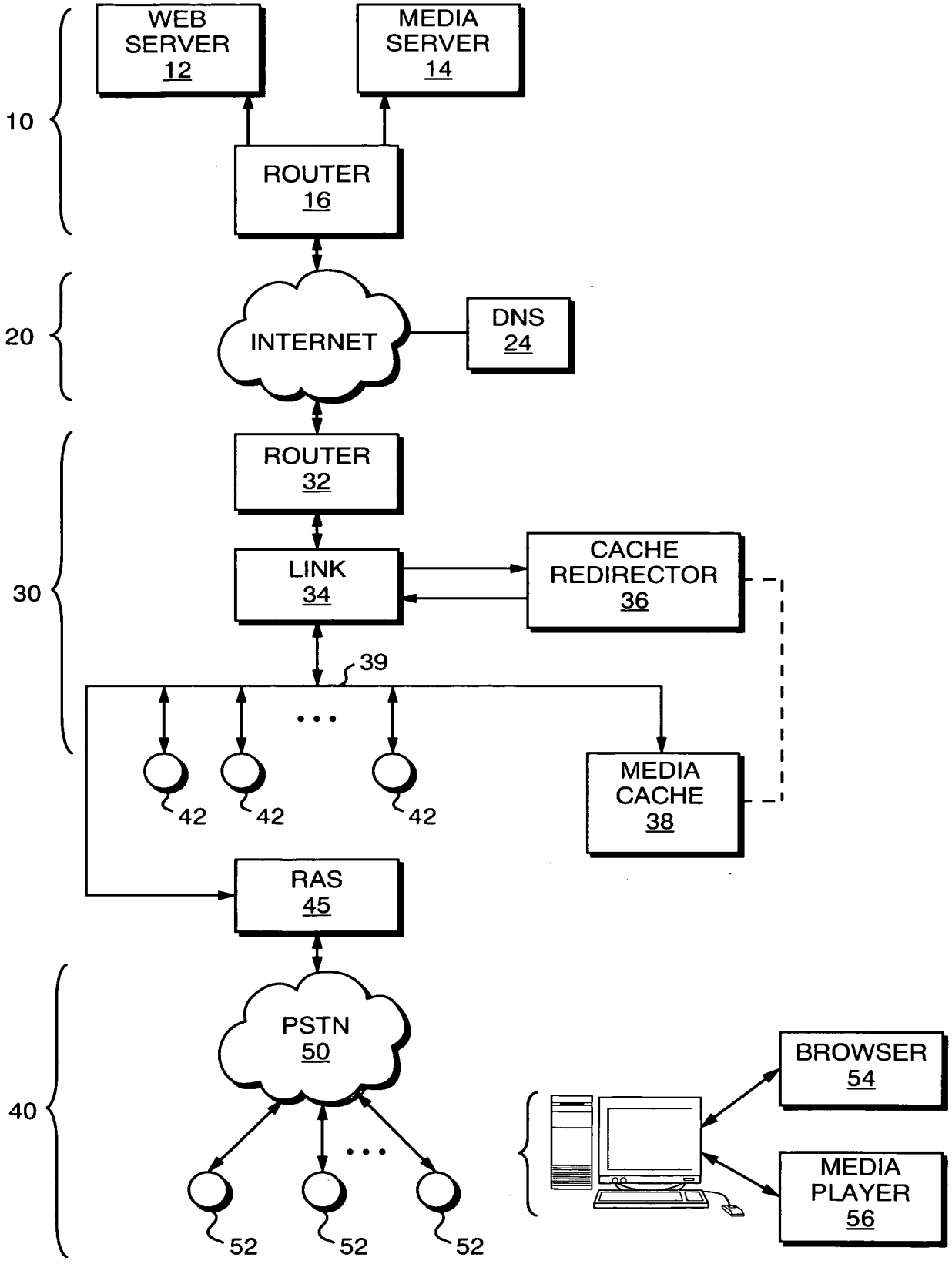
WEB SERVER 12
MEDIA SERVER 14
10
ROUTER 16
20
INTERNET
DNS 24
ROUTER 32
LINK 34
CACHE REDIRECTOR 36
30
39
42
42
42
MEDIA CACHE 38
RAS 45
PSTN 50
40
52
52
52
BROWSER 54
MEDIA PLAYER 56

FIG. 1

Here is a sample asx file; notice the redirection

```
<ASX VERSION="3">
<Title>Video 17Kbps/Audio 5Kbps</TITLE>
<AUTHOR>Microsoft Windows Media Technologies</AUTHOR>
<ABSTRACT>30fps Streaming Video!</ABSTRACT>

<ENTRY>

  <ref href="mms://wmt.streamvision.com/msns/Clinton28.asf" />
  <TITLE>Press Conference</TITLE>
  <AUTHOR>Video Courtesy of CNN</AUTHOR>
  <COPYRIGHT>? 1998 Cable News Network, Inc.</COPYRIGHT>
  <MOREINFO href="http://www.cnn.com" />
  <ABSTRACT>President Clinton Press Conference</ABSTRACT>

<ENTRY>

</ASX>
```

FIG. 2

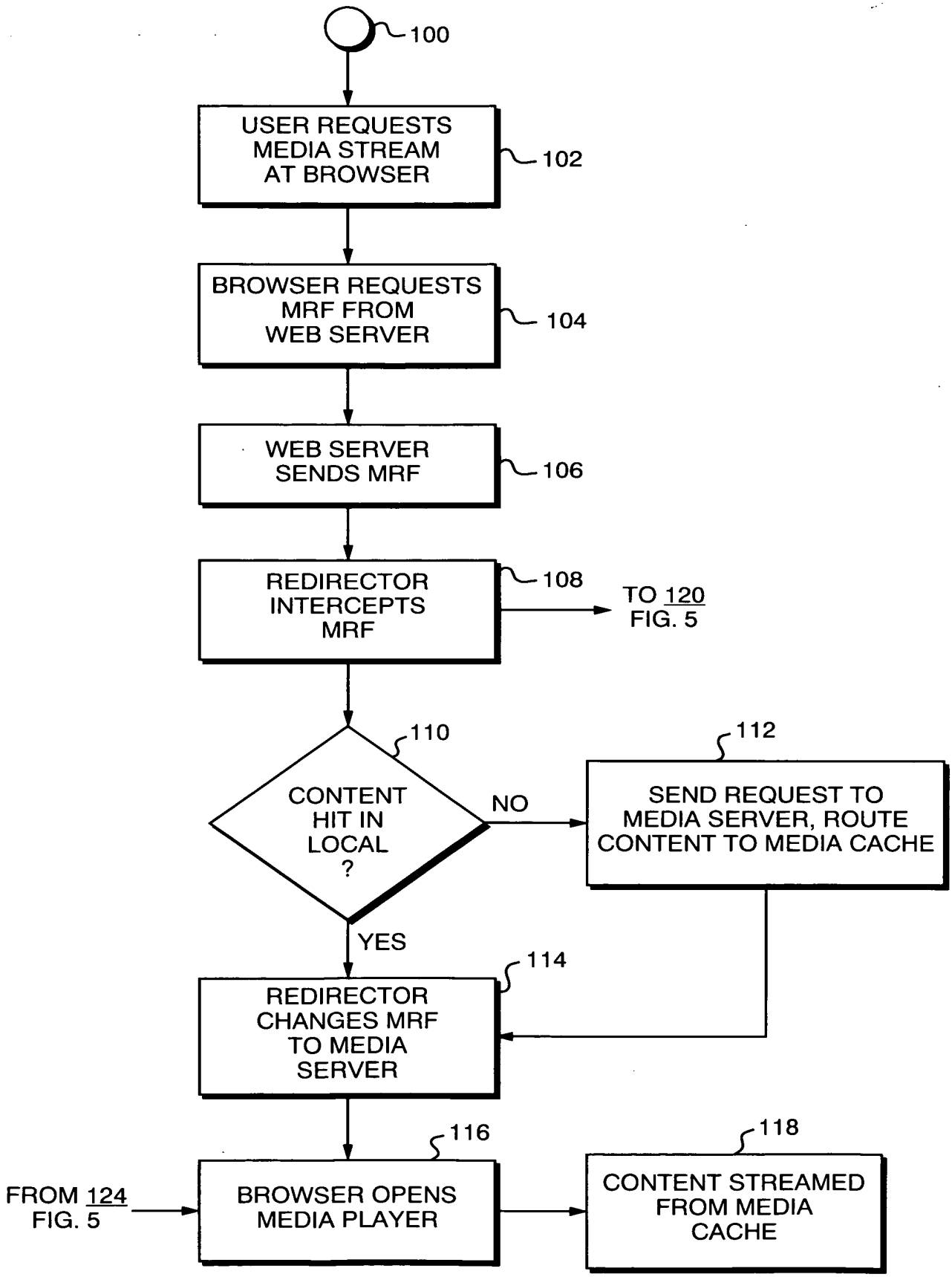
100
USER REQUESTS MEDIA STREAM AT BROWSER
102
BROWSER REQUESTS MRF FROM WEB SERVER
104
WEB SERVER SENDS MRF
106
REDIRECTOR INTERCEPTS MRF
108
TO 120 FIG. 5
110
CONTENT HIT IN LOCAL ?
NO
112
SEND REQUEST TO MEDIA SERVER, ROUTE CONTENT TO MEDIA CACHE
YES
114
REDIRECTOR CHANGES MRF TO MEDIA SERVER
116
FROM 124 FIG. 5
BROWSER OPENS MEDIA PLAYER
118
CONTENT STREAMED FROM MEDIA CACHE

FIG. 3

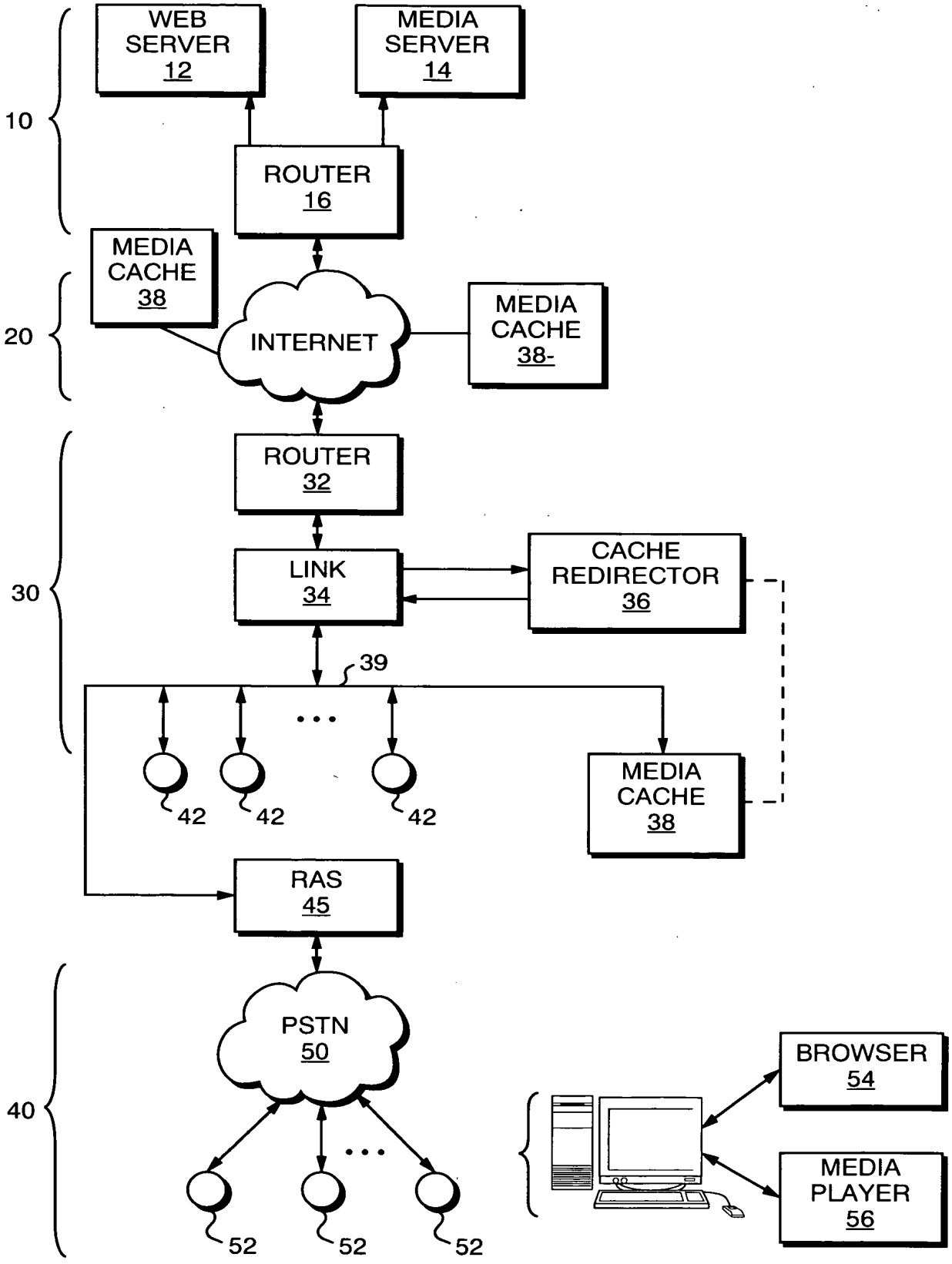
WEB SERVER 12
MEDIA SERVER 14
10
ROUTER 16
MEDIA CACHE 38
20
INTERNET
MEDIA CACHE 38-
ROUTER 32
LINK 34
CACHE REDIRECTOR 36
30
39
42
42
42
MEDIA CACHE 38
RAS 45
PSTN 50
40
52
52
52
BROWSER 54
MEDIA PLAYER 56

FIG. 4

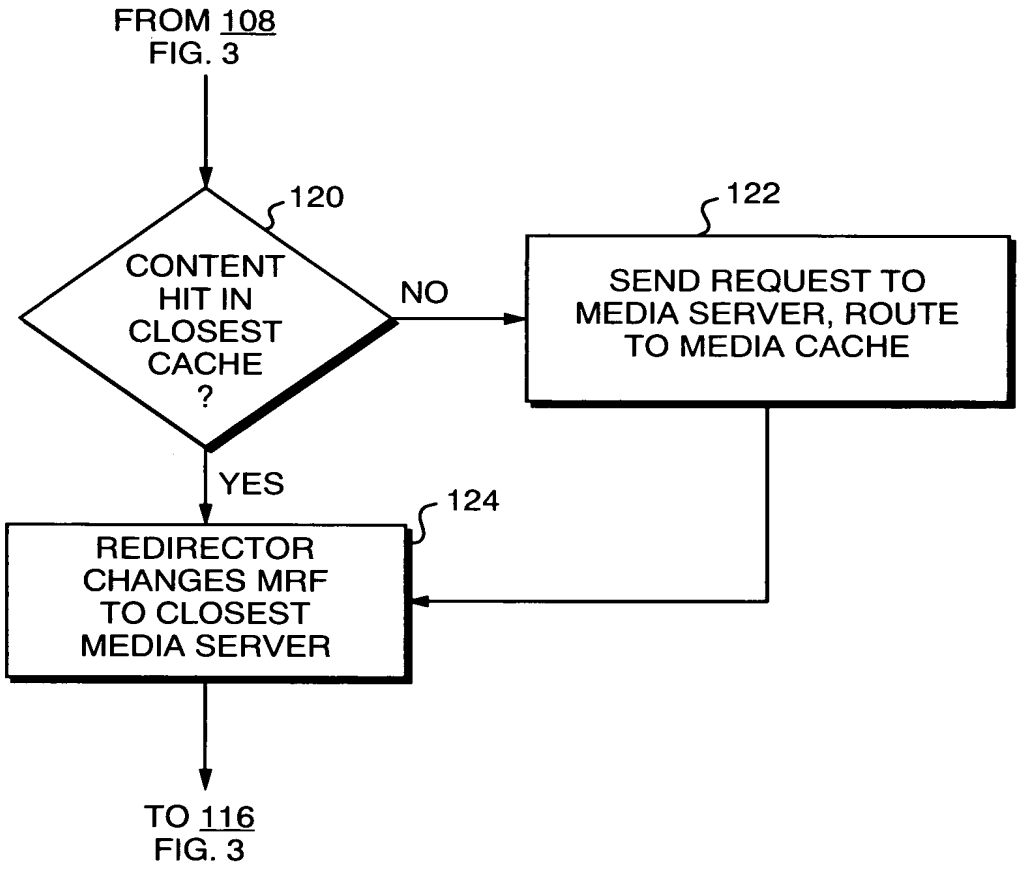
FROM 108
FIG. 3
120
CONTENT HIT IN CLOSEST CACHE ?
NO
122
SEND REQUEST TO MEDIA SERVER, ROUTE TO MEDIA CACHE
YES
124
REDIRECTOR CHANGES MRF TO CLOSEST MEDIA SERVER
TO 116
FIG. 3

FIG. 5